

Form PTO-1449

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)



Complete if Known

Application Number	10/673,384
Filing Date	September 26, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	2879
Examiner Name	Joseph L. Williams
Confirmation No.	2569
Attorney Docket No.	789_116

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

**U.S. RELATED COPENDING APPLICATIONS**

Exam. Initial	Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
JW	CZ 10/951,509	09/28/2004	Takeuchi et al.	789_118 CIP3		
JW	DA 10/950,976	09/27/2004	Takeuchi et al.	789_118 CIP6		
JW	DB 10/952,524	09/28/2004	Takeuchi et al.	789_135		
JW	DC 10/951,832	09/28/2004	Takeuchi et al.	789_136		

**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Sub Class	Translation	Abstract

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages etc.)


Examiner:

Joseph L. Williams

Date Considered:

1/7/06

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*In accordance with the Notice signed September 21, 2004 on the PTO website, we are not enclosing copies of any of the above U.S. references or copending applications filed on or after June 30, 2003.

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Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
JW	CL	2002/0060516 A1	05/23/2002	Kawate et al.				
JW	CM	6,580,108 B1	06/17/2003	Utsumi et al.				
JW	CN	6,452,328 B1	09/17/2002	Saito et al.				
JW	CO	6,469,452 B2	10/22/2002	Seo et al.				
JW	CP	6,359,383 B1	03/19/2002	Chuang et al.				
JW	CQ	6,274,881 B1	08/14/2001	Akiyama et al.				
JW	CR	6,184,612 B1	02/06/2001	Negishi et al.				
JW	CS	6,153,978	11/28/2000	Okamoto				
JW	CT	6,040,973	03/21/2000	Okamoto et al.				
JW	CU	5,990,605	11/23/1999	Yoshikawa et al.				
JW	CV	5,877,594	03/02/1999	Miyano et al.				
JW	CW	5,729,094	03/17/1998	Geis et al.				
JW	CX	5,726,524	03/10/1998	Debe				

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	CY	Kanemaru, Seigou, "Featuring: All About Flat Displays 2000, Leading Technological Trend of FEDs," Electronic Engineering, Nikkan Kogyo Shimbun, Ltd., July 2000, pp. 38-41 (with partial translation).

Examiner:		Date Considered:	1/7/06
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Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
<i>JW</i>	CB	10/808,258	3/24/2004	Takeuchi et al	789_123		

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Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE          STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; margin: 0 5px;">             RECEIVED              SEP 03 2004              PATENT OFFICE           </div> <div style="font-size: 2em; font-weight: bold; margin: 0 5px;">O I P E</div> </div>		<b>Complete if Known</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/673,384</td> </tr> <tr> <td>Filing Date</td> <td>September 26, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Yukihisa TAKEUCHI</td> </tr> <tr> <td>Art Unit</td> <td>2879</td> </tr> <tr> <td>Examiner Name</td> <td>Joseph L. Williams</td> </tr> <tr> <td>Confirmation No.</td> <td>2569</td> </tr> <tr> <td>Attorney Docket No.</td> <td>789_116</td> </tr> </table>		Application Number	10/673,384	Filing Date	September 26, 2003	First Named Inventor	Yukihisa TAKEUCHI	Art Unit	2879	Examiner Name	Joseph L. Williams	Confirmation No.	2569	Attorney Docket No.	789_116
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JW	CF	6,313,815	11/06/2001	Takeda et al.				
JW	CG	6,285,123	09/04/2001	Yamada et al.				
JW	CH	5,666,019	09/09/1997	Potter				

### U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
JW	CI	10/919,747	08/17/2001	Takeuchi et al.	789_118 CIP2		
JW	CJ	10/901,932	07/29/2004	Takeuchi et al.	789_118 CIP5		
JW	CK	10/919,678	08/17/2004	Takeuchi et al.	789_133		

### FOREIGN PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
<i>DN</i>	CD 05-325777	12/10/1993	JP	<del>—</del>	<del>—</del>	✓	✓
<i>DN</i>	CE 08-111166	04/30/1996	JP	<del>—</del>	<del>—</del>	✓	✓

## OTHER DOCUMENTS

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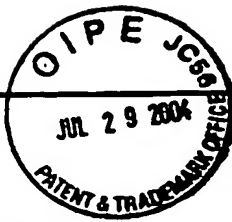
(use as many sheets as necessary)

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**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
AW CC	3214256	7/27/2001	JP			Complete English Translation	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number		10/673384	
				Filing Date		Concurrently Herewith	
				First Named Inventor		Yukihisa TAKEUCHI	
				Art Unit		2879	
				Examiner Name		Williams	
				Confirmation No.			
Sheet	1	of	2	Attorney Docket No.		789 116	

**U.S. PATENT DOCUMENTS**

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
JW	5,874,802	02-23-1999	Choi et al.				
JW	2002/0153827	10-24-2002	Takeuchi et al.				

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
JW	AA	1-311533 A	12-15-1989	JP				✓
	AB	7-147131 A	06-06-1995	JP			JPO Machine Translation	✓
	AC	2000-285801 A	10-13-2000	JP			JPO Machine Translation	✓
	AD	46-20944	06-12-1971	JP			✓	
	AE	44-26125	11-04-1969	JP			✓	
	AF	11-185600	07-09-1999	JP			JPO Machine Translation	✓
	AG	10-27539 A	01-27-1998	JP			JPO Machine Translation	✓
	AH	11-288249 A	10-19-1999	JP			JPO Machine Translation	✓
	AI	63-150837 A	06-23-1988	JP				✓
	AJ	09-090882 A	04-04-1997	JP			JPO Machine Translation	✓
	AK	59-208587	11-26-1984	JP			Partial	
	AL	3160213 B2	02-16-2001	JP			JPO Machine Translation	✓
	AM	0 953 958 A2	11-03-1999	EP				
	AN	2000-310970 A	11-07-2000	JP			JPO Machine Translation	✓
JW	AO	02/052600 A1	07-04-2002	WO				

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**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages etc.)

AP	AW	"Pulsed Electron Source Using a Ferroelectric Cathode," Tokyo Institute of Technology, Vol. 68, No. 5, 7 January 1999, pp. 546-550.
AQ	AW	Puchkarev, Victor F. and Mesyats, Gennady A., "On the Mechanism of Emission from the Ferroelectric Ceramic Cathode," Journal of Applied Physics, Vol. 78, No. 9, 1 November 1995, pp. 5633-5637.
AR	AW	Riege, H., "Electron Emission from Ferroelectrics - a Review," Nucl. Instr. and Meth. A340, 1994, pp. 80-89. <i>no month</i>
AS	AW	Masatoshi Miyake et al., "Electron Emission from Ferroelectric Cathodes Excited by Pulsed Voltage," Tokyo Institute of Technology, Vol. 119, No. 5, 1999 pp. 622-627. <i>no month</i>

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*Joseph Williams*

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			Art Unit	<del>2869</del> 2879
			Examiner Name	<del>Not assigned</del> Williams
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<i>AW</i>	BA	10/374,955	02/25/2003	Takeuchi et al.	789_105		
	BB	10/459,415	06/11/2003	Takeuchi et al.	789_108 CIP		
	BC	10/459,110	06/11/2003	Takeuchi et al.	789_109 CIP		
	BD	10/459,416	06/11/2003	Takeuchi et al.	789_110 CIP		
	BE	10/459,386	06/11/2003	Takeuchi et al.	789_111 CIP		
	BF	10/647,794	08/25/2003	Takeuchi et al.	789_115		
	BG	10/671,763	09/26/2003	Takeuchi et al.	789_117		
<i>AW</i>	BH	10/699,186	10/31/2003	Takeuchi et al.	789_119		

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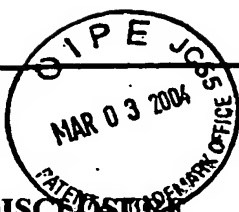

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AW	BF	5,508,590	04/16/1996	Sampayan et al.				
AW	BG	5,453,661	09/26/1995	Auciello et al.				
AW	BH	6,157,145	12/5/2000	Vollkommer et al.				

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	BJ	10/719,596	11/21/2003	Takeuchi et al.	789_121		
	BK	10/730,754	12/08/2003	Takeuchi et al.	789_118 CIP		
AW	BL	10/731,901	12/09/2003	Takeuchi et al.	789_122		

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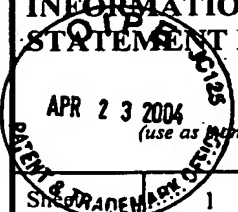
		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
AW	BM	3833604	04/05/1990	DE			✓	
AW	BN	2639151	05/18/1990	FR			✓	
AW	BO	428853	05/29/1991	EP			✓	

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	BQ	5,747,926	05/05/1998	Nakamoto et al.				
	BR	6,198,225	03/06/2001	Kano et al.				
<i>JW</i>	BS	6,479,924	11/12/2002	Yoo				

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<i>JW</i>	BT	2675306	10/16/1992	FR				✓
	BU	2789221	08/04/2000	FR				✓
	BV	2789223	08/04/2000	FR				✓
	BW	10057072	05/23/2001	DE				✓
<i>JW</i>	BX	0 353 632	02/07/1990	EP				

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

<i>JW</i>	BY	G. Benedek et al., "Electron Emission From Ferroelectric/Antiferroelectric Cathodes Excited by Short High-Voltage Pulses", Journal Applied Physics, Vol. 81, No. 3, 1 February 1997, pages 1396-1403
<i>JW</i>	BZ	Gundel, H. et al., "Low Pressure Hollow Cathode Switch Triggered by a Pulsed Electron Beam Emitted From Ferroelectrics", Applied Physics Letter, American Institute of Physics, New York, US Vol. 54, No. 21, 22 May 1989, pages 2071-2073
<i>JW</i>	CA	Gundel, H. et al., "Time-Dependent Electron Emission From Ferroelectrics by External Pulsed Electric Fields", Journal of Applied Physics, American Institute of Physics, New York, US Vol. 69, No. 2, 15 January 1991, pages 975-982

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